BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Improvements to roads and drains SC colony at Maruthinagara and BB nagara in ward no. 8, kodigehalli, kodigehalli sub division**

Estimate Cost: 1380000.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 141 / Item No. 19.1/ PWD SR 2015-16								
	Drain desilting	Cum	1	145.00	0.60	0.40	34.80		
	for concrete road formation	Cum	1	153.00	2.60	0.20	79.56		
							114.36	83.16	9510.00
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	83.16							
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications.- Rubble stone masonry in cement mortar (PWDSR 2015-16, I. 18.27, P. 137)								
	dilapidated rcc slab over drains	cum	1	145.00	0.90	0.10	13.05		
	dilapidated cc road - ugd laid	cum	1	153.00	2.00	0.10	30.60		
							43.65	250.56	10937.00
	Basic Rate	232.00							
	Area Weightage @8%	18.56							
	Total	250.56							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16								
	for cc road	Cum	1	153.00	2.60	0.150	59.67		
							59.67	5070.60	302563.00
	Basic Rate	4695.00							
	Area Weightage @8%	375.60							
	Total	5070.60							
4	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, No. 12/ Item No. 4.5/ PWD SR 2015-16								
	for cc road	Cum	1	153.00	2.60	0.10	39.78		
							39.78	5991.84	238355.00
	Basic Rate	5548.00							
	Area Weightage @8%	443.84							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	5991.84							
5	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. 174 / Item No. 22.7 / PWD SR 2015-16								
	for cc road	Sqm	1	153.00	2.60		397.80		
		Sqm					397.80	97.20	38666.00
	Basic Rate	90.00							
	Area Weightage @8%	7.20							
	Total	97.20							
6	Providing groove cutting for cement pavement wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications Page No. 175 / Item No. 22.8 / PWD SR 2015-16								
	for cc road	Rmt	10	2.60			26.00		
		Rmt					26.00	124.20	3229.00
	Basic Rate	115.00							
	Area Weightage @8%	9.20							
	Total	124.20							
7	Providing and laying in position reinforced cement concrete M20 mix with stone aggregates 20mm and downsize for slab (including steel reinforcement) including centering and shuttering, maching mixed, concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour, HOM of machineries, curing complete as per specifications. (Approved data rate enclosed)								
	over existing rcc drain - cross road	sqm	1	145.0	0.90		130.50		
	over existing secondary swd	sqm	1	151.0	2.10		317.10	254.10	
		sqm		121.0			447.60	1600.0	~~716160.00~~
							384-60		615360.00
8	Removing B.S Slab of Drain and stacking Page No. 25 / Item No. 5.32 / PWD SR 2015-16								
	cross roads of BB nagara (total)	Sqm	2	80.00	1.50		240.00		
							240.00	63.72	15293.00
	Basic Rate	59.00							
	Area Weightage @ 8%	4.72							
	Total	63.72							
9	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25 / Item No. 5.33 / PWD SR 2015-16								
	quantity vide item No. 1	Sqm					240.00	78.84	18922.00
	Basic Rate	73.00							
	Area Weightage @ 8%	5.84							
	Total	78.84							
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.133 of PWDSR 2015-16)								
		Cum	Vide Item No. 1 and 2				158.01	78.97	12478.00
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Add loading and unloading charges Vide item no.17.1 P.no.133	68.00							
		73.12							
	Area Weightage @ 8%	5.85							
	Total	78.97							
									1265383.00
11	Sub Total								~~1366113.00~~
									12653.00
12	For Third Part QC inspection Charges @ 1% of Estimate Cost								13661.00
13	KRIDL Charges @ 8%.								101225.00
13	Miscellaneous and other Charges	L/S							226.00
									809.00
								Total	1380000.00

(Rs. Thirteen lakhs eighty thousand only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 8
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
1/8/16

Administrative Approval
Accorded For 13.80 lakh Rs,
Head of A/C P-1878
CER NO : 18 Dt: 01.08.16

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 13.80 Lakhs.
Head of A/c P-1878
Div. Ref. No. TS/EE/28/16-17 Date 03/08/16
AE 03/08
EE(RTP)